I. GENERAL SPECIFICATIONS :

- Display : 16 characters in one line
  (LCD LM020L or EA-D16015AR)

- Power : "9V DC-adaptor" or "Single Standard 9-volt battery"

- Battery life (not active) :
  1. High-power Zinc-Carbon premium - 200 hours
  2. Ordinary Zinc-Carbon - 150 hours

II. FUNCTIONS :

1. POWER SWITCH : power on/off

2. RESET KEY : reset internal chip & LCD

3. TYPE KEY : select IC family type (TTL74, CMOS40, CMOS45, DRAM41, DRAM44)

4. DOWN KEY : forward IC number to the next number

5. UP KEY : back IC number to the previous number

6. TEST KEY : test current IC

7. SEARCH KEY : search all unknown IC numbers except DRAM
   (NOTE: Do not enter search key for DRAM)

8. SELF TEST : when power on or reset the TESTER enters AUTO SELF TEST automatically for internal component & interface check. If any error occurs, "SELF_TEST_ERROR." will be shown on LCD display and the system will halt.

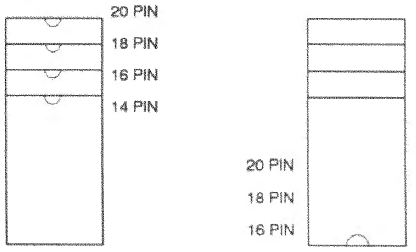
III. OPERATION :

1. connect DC adaptor (or load a 9V battery)

2. power on IC TESTER, wait untill the SELF TEST completes and "SELF_TESTING...." appears on the LCD.

3. select the IC type and number to be tested (if the IC number is unknown, enter SEARCH right after the TYPE selection)

4. insert the device into test socket according to following directions and positions :
   (CAUTION: DRAM must be inserted to the contrary direction.)



FOR :
TTL74, CMOS40, CMOS45 Series

FOR :
DRAM 41, DRAM 44 Series

5. enter TEST (or SEARCH) key

6. result shown on LCD display

A. TEST RESULT
   a. "TEST-OK**" : device test ok
   b. "**BAD!**" : device test fail

B. SEARCH RESULT
   a. "**END.**" : no suitable IC number
   b. "**FIND**" : first suitable IC number (enter SEARCH again to find the next suitable IC number)
   c. "FIND*END" : only one suitable IC number